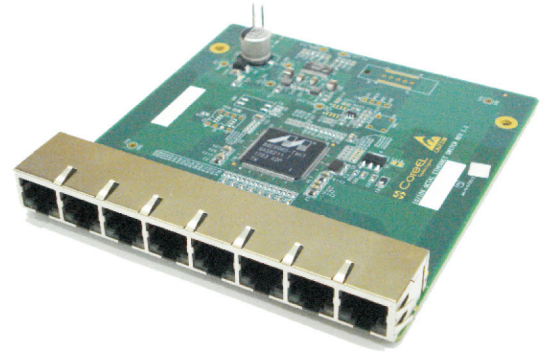


# Octal Ethernet Switch

## PRODUCT DESCRIPTION

The Octal Ethernet Switch is a managed 8 port Ethernet switch in a custom form factor. It is used for communication over Ethernet. It is used as an Ethernet switch for communication over RJ-45 ports. The board is designed as an air-cooled board which may be used for multiple applications

- Electronic Warfare
- RADAR
- SONAR
- Commercial
- Networking



## KEY FEATURES

- Eight port 10/100BaseT/TX Ethernet switch board
- Manageable Ethernet switch
- Auto-negotiation RJ-45 ports supporting UTP/STP cabling
- MDI / MDI-X auto crossover on all ports, providing true “plug and play” capability without the need for confusing crossover cables or crossover ports

## SPECIFICATIONS

### FPGAs / Processor

- Full wire speed and half/full duplex support on all ports
  - Full wire speed forwarding
  - 2k MAC address entries with automatic learning and aging
  - Half / full duplex operation with flow control to allow 20/200 Mbps bandwidth and minimize packet loss
  - 1 Mbit frame buffer memory
  - Auto-negotiation
  - Optional port based VLAN and priority (QOS) capabilities
  - Per port Ingress Rate Limiting along with independent storm prevention

### Interfaces

- Per port LED indicators for easy monitoring of the speed, duplex/collision and link/activity status
- Port status indicators + global power-ON status indicators
- Serial EEPROM available for programming

**Additional Information**

- Flow control and broadcast storm control protection
- VLAN and QoS support (optional)
- Mechanical dimension 116 x 120 mm
- Standard compliance : IEEE 802.3 10Base Ethernet, IEEE 802.3u 100Base Ethernet, IEEE 802.3x flow control

**MECHANICAL**

- Air-cooled board in custom form factor

**POWER INPUT**

- Input voltage is 5V

**ENVIRONMENTAL**

- Qualification : MIL-STD-810F
- Temperature range : 0°C and +70°C (Operational)

**PART NUMBER(S)**

CB10L0	Octal Ethernet Switch
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